

25(2)

SOV/91-59-6-10/33

AUTHOR: Ganetskiy, A.A., Engineer

TITLE: The Manufacture of Lens Compensators by Rolling with  
a Roller in a Face Lathe

PERIODICAL: Energetik, 1959, Nr 6, pp 14-15 (USSR)

ABSTRACT: The Stalinogorskiy kotel'no mekhanicheskiy zavod  
(Stalinogorsk Boiler-Mechanical Plant) of the trust  
Tsentroneergomontazh has developed a new machine method  
of manufacturing semi-lens compensators (Figure 1).  
The rotating blank is held by the chuck of a face  
lathe with the help of a mandrel and is rolled over by  
a special roller. Blanks of semi-lenses of up to  
800mm diameter are cut out of steel sheet, whereas  
those of a larger diameter are welded together from 2-3  
parts. The semi-lenses can be machined not only in a  
face lathe but also in a boring and turning lathe with

Card 1/2

SOV/91-59-6-10/33

The Manufacture of Lens Compensators by Rolling with a Roller in a Face Lathe

sufficiently large face plate, and in a flange lathe with sufficient height of the points. The machining of blanks is performed at a rotation speed of  $1\frac{1}{2}$ -2 m/sec, takes 2-3 minutes. The lens compensator is welded together from semi-lenses by electrical welding. The article contains a brief description of the machining operation. There are 4 sets of diagrams.

Card 2/2

GAISTSKIY, I. D.

Rukovodstvo po lechebnoi kulinarii i sostavlenie meniu dlia sanatoriev i domov\_otdykha / Manual of diet cookery and menus for sanatoriums andrest homes/. Medgiz, 1953. 816 p.

SO: Monthly List of Russian Accessions. Vol. 6 No. 7 October 1953

GANETSKIY, I.

Diet for hypertonic persons. Obshchestv.pit. no.3:53-55 Mr '59.

(MIRA 12:4)

(DIET IN DISEASE)

(HYPERTENSION)

GANETSKIY, I.

Diet for people with high blood pressure. Obschestv. pit. no.4:49-51  
Ap '59. (MIRA 12:6)

(DIET IN DISEASE)

GANETSKIY, I.

Diet for overweight persons. Obshchestv.pit. no.5:52-54 My '59.  
(MIRA 12:8)

(Corpulence)

GANETSKIY, I.

Diet for persons suffering from ulcers. Obshchestv. pit. no.7:55-57  
Jl '59. (MIRA 12:12)  
(DIET IN DISEASE) (PEPTIC ULCER)

GANETSKIY, I.

Diet in enterocolitis, Obshchestv.pit. no.8:54-56 Ag '59.  
(MIRA 12:12)

(DIET IN DISEASE) (INTESTINES--DISEASES)



GANETSKIY, I.

Diet for ulcer and chronic gastritis. Obshchestv.pit. no.9:  
47-49 S '59. (MIRA 12:12)

(DIET IN DISEASE) (STOMACH--DISEASES)

GANETSKIY, I.

Advice on an enriched diet. Obshchestv.pit. no.10:55-58 0 '59.  
(MIRA 13:4)

(Diet in disease)

GANETSKIY, I.

Diet in liver diseases. Obshchestv.pit. no.12:52-54  
D '59. (MIRA 13:4)  
(DIET IN DISEASE) (LIVER--DISEASES)

GAMETSKIY, I.

Diet for the middle-aged. Obshchestv.pit. no.2:51 P '60.  
(MIRA 13:6)

(DIET)

GANETSKIY, I.

Diet in nephritis. Obshchestv.pit. no.3:53-55 Mr '60.  
(MIRA 13:6)

(DIET IN DISEASE)

MOLCHANOVA, O.P., prof.; LOBANOV, D.I., prof.; MARSHAK, M.S., prof.;  
GANETSKIY, I.D.; BEREZIN, N.I., laureat Stalinskoy premii;  
KONNIKOV, A.G., laureat Stalinskoy premii; LIFSHITS, M.O.;  
METLITSKIY, L.V., doktor sel'skokhoz.nauk; NAMESTNIKOV, A.F.,  
kand.tekhn.nauk. Prinsipali uchastiye: ANAN'YEV, A.A.; GROZNOV,  
S.R.; YEFIMOV, V.P.; KIKNADZE, N.S.; NIKASHIN, F.P.; PIROGOV,  
N.M.; SKRIPKIN, G.M.; TSYPLENKOV, N.P. SIVOLAP, I.K., red.;  
SKURIKHIN, M.A., red.; BETSOFFEN, Ya.I., red.; DAMASKINA, G.B.,  
red.; PRITYKINA, L.A., red.; KISINA, Ye.I., tekhn.red.

[Book on tasty and healthy food] Kniga o vkusnoi i zdorovoi  
pishche. Moskva, Pishchepromizdat, 1961. 423 p.

(MIRA 15:2)

1. Galen-korrespondent AMN SSSR (for Molchanova).  
(Cookery)

ABATUROV, P.V.; GROZNOV, S.R.; GANETSKIY, I.D.; KOZYREVA, Ye.A.;  
NOVITSKAYA, L.A.; ODINTSOV, A.I.; PROTOPOPOV, S.I.; SIDOROV,  
V.A.; SIDOROVA, L.I.; TROFIMOVA, V.I.; TRUSHINA, I.V.; SHTEYMAN,  
R.A.; DUNTSOVA, K.G., red.; KAZENOVA, A.R., red.; MARSHAK, M.S.,  
prof., red.; MOLCHANOVA, O.P., prof., red.; SALOMATINA, K.Z.,  
red.; KAGANOVA, A.A., red.; MEDRISH, D.M., tekhn. red.

[Dietetic cookery in eating establishments]Dieticheskoe pitanie v  
stolovykh; sbornik retseptur i tekhnologiya prigotovleniia blud.  
Moskva, Gos.izd-vo torg.lit-ry, 1962. 262 p. (MIRA 16:1)

1. Russia (1917- R.S.F.S.R.)Ministerstvo torgovli.  
(~~COOKERY FOR THE STOM~~)

GANETSKIY, M., inzh.

Outstanding automotive transportation unit. Avt. transp. 42  
no.10:19-20 0 '64. (MIRA 17:11)



GANETSKIY, M.G.; BALAKHNICHEVA, T., red.; BELOUSOVA, L., tekhn.  
red.

[Over three continents]Cherez tri kontinenta. Kishinev,  
Kartia moldoveniaske, 1961. 125 p. (MIRA 16:3)  
(Shestakov, Semen Aleksandrovich, 1898-1943)

GANEV, A.

Harvesting grain in separate operations. p. 18

MASHINIZIRANO ZEMEDELIE. Vol. 7, No. 6, June 1956

Sofiya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956

GANEV, A.; SINAFOV, D.

Introducing the principles of cost accounting in the tractor brigades of the machine-tractor stations.

P. 6, (Mashinizirano Zemedelie) Vol. 8, no. 7, July 1957, Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, 11 November 1957

GANEV, A. I.

USSR/Medicine - Infectious Diseases

Nov 50

"Results of Experiments With Glukhovtsev's Aluminum Hydroxide Formol Vaccine Against Erysipelas in Pigs," A. I. Ganey, Vet

"Veterinariya" No 11, p 29

Vaccine, administered in dose of 3 ml, provides immunity against bacillary erysipelas in pigs for 6 mo. Dose of 5 ml provides immunity for up to 1 yr. Observed no complications after vaccination.

186T94

GANEV, Aleksandur, inzh.

Importance of the technology of preparing prestressed  
girder bridge constructions. Stroitelstvo 11 no.5:5-9  
S-O '64.

GANLY. Dobri, Inzh.

Utilization of irrigation water resources, and economic zoning  
of the country. Khidrotekh i melior 6 no.7:198-200.

GANEV, G.

Low-frequency amplifier of the Progres radio receiver. Radio i  
televiziia 12 no.8:249 '63.

GANEV, G.

BULGARIA/Chemical Technology. Chemical Products and Their  
Application. Natural and Synthetic Caoutchouc.  
Rubber.

H-31

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38232.

Author : Nikolinski P, Ganev G.

Inst : Not given.

Title : Fixing of the Molecular Orientation in the Vulcaniza-  
tion of Rubber

Orig Pub: Godishnik Khim-tekhmol in-t, 1955 (1956), 2, No 2,  
137-149.

Abstract: The durability of vulcanization can be raised sub-  
stantially if the batches of the rubber mixture are  
first scorched and then stretched and vulcanized.  
The increase in durability is explained by orienta-  
tion, and by the subsequent fixation of the orientated

Card : 1/3



BULGARIA/Chemical Technology. Chemical Products and Their  
Application. Natural and Synthetic Caoutchouc.  
Rubber.

H-31

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38232.

structure during vulcanization. Rubbers obtained by vulcanization of crude stretched mixtures also show an increase in durability (of 10%); however, the effect appears substantially only if the mixtures are scorched. Mixtures of rubber with low plasticity show a high degree of orientation. The durability-increase effect has a maximum dependent on the S content. In mixtures of NK (8.3%, 5 minutes of scorching, 20 minutes of vulcanization at 142°), with an optimum elongation of 15%, the durability of a vulcanized batch doubled in the direction of elongation, and decreased 8% laterally. In addition, the relative lengthening at the break decreased by 35% in the direction

Card : 2/3

BULGARIA/Chemical Technology. Chemical Products and Their  
Application. Natural and Synthetic Caoutchouc.  
Rubber.

H-31

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38232

of elongation and increased by 13% laterally. The drop of the scorching temperature from 142° to 60°, and the simultaneous increase of vulcanization time from 5 to 1200 minutes, contributed to the increase in the durability of the rubbers. The effect of the increase in durability during vulcanization with elongation is observed in greater measure in NK than in Na-butadiene rubber.

Card : 3/3

GANEV, G.

54-192

331,377,38  
Ganev, G. and Krastanov, L. Priinos k'm meteorologichno izsledvane zasushavaniata  
Bulgaria. [A contribution to the meteorological investigation of drought in Bulgaria.]  
Bulgarska Akademiia na Naukite, Sofia, Izvestiia, Ser. Fizicheska, 2:255-280, Jan./Dec. 1951.  
13 figs., 5 maps (fold.), 2 tables, 8 refs. Russian and English summaries p. 269-272. DLO—  
Data for 50 evenly distributed stations in Bulgaria for the period 1896-1949 are analyzed to  
show frequency, duration and local distribution of drought in the various seasons. Drought  
is defined as a period of at least 10 days without precipitation. Drought occurs most fre-  
quently in autumn, then in summer, then winter and least often in spring. Composite isobaric  
charts are prepared for the most serious droughts. In several cases the main pressure are  
shown for several phases of the drought cycle. Several drought types are differentiated:  
(a) Extension of Azores anticyclone to cover Central Europe; (b) North Sea anticyclone  
extended forward to Balkans; (c) NE type with anticyclone over continental U.S.S.R.;  
(d) Combinations of these types. The SE plains along the Black Sea are the most subject to  
drought although other scattered areas show high frequency. Subject Headings: 1. Drought  
2. Synoptic conditions for drought B, E, Algeria.—M.R.

Despizet

2

LC RPT

P. Anev, G.

8E-18  
Krivtsov, I. and Ganev, G. A Bulgarian meteorological investigation of the fields of meteorological research in Bulgaria. [Sofia, Bulgaria, 58(4) 377-379 Nov./Dec. 1954. 13 figs. Russian and French summaries p. 373. Trans. by Min. L. F. (1954). Also complete German version: Ober die Richtung der bulgarischen meteorologischen Forschung. Acta Agronomica, Budapest, 5(1/2):145-154, 1955. Russian and English summaries p. 154. DA.—In studying the development of synoptic situations causing drought in Bulgaria it was found that the first step would be to investigate the stable anticyclonic situations. Anticyclonic situations causing severe drought in different seasons may be classified in four groups: 1) western (Arctic), 2) northwestern (Arctic), 3) northeastern (Arctic) and 4) combined influence. Mapping of these synoptic processes has been found very useful in preparing long range forecasts. Subject Headings: 1. Synoptic conditions for drought. 2. Drought forecasting. 3. Bulgaria. I. F. (1954). (Tr.)—Trans. of author's abstract.

551.549.118-551.577.38

[One of the

Nov./Dec. 1954.

Also complete

DA.—In

Anticyclonic

Mapping of these

Subject Headings: 1. Synoptic

Tr.)—Trans.

GANEV, G.; KHADZHIEV, D.; KARAMALAKOV, L.; TSEKOVA, M.; SIRAKOV, A.;  
ATANASOV, K.; CHANKOV, I.; TSOLOV, N.; VASILEVA, I.

Treatment of parkinsonism with a new preparation INHA-17. *Suvrem  
med.*, Sofia no.4/5:35-44 '61.

1. Iz Nauchnoissledovatel'skiiia institut po nevrologiia i psikhiiatriia.  
(Direktor G. Ganev).

(ISONIAZID rel cpds) (PARALYSIS AGITANS ther)

GANEV, G.; KARAMALKOV, L.; KHADZHIEV, D.; TSEKOVA, M.; SIRAKOV, A.;  
ATANASOV, K.; NANKOV, Iv.; TSOLOV, N.; VASILEVA, I.

Treatment of parkinsonism with a new combined preparation INHA-17  
with Bellapan (Bellazon). Suvrem med., Sofia no.4/5:45-53 '61.

1. Iz Nauchnoissledovatel'skii institut po nevrologia i psikhiaatria.  
(Direktor G. Ganev.)

(ISONIAZID rel cpds)  
(PARALYSIS AGITANS ther)  
(BELLADONNA ther)

GANEV, G., KHALCHIKOV, P.

Fifth National Conference of Neurologists, Psychiatrists, and  
Neurosurgeons of Bulgaria. Nevrolozhk nevroknir 3 no.11,9-61  
'64.

GANEV, Ganche G., inzh.

Introduction of the vibrobrick large-paneled dwellings in  
Bulgaria. Stroitelstvo 8 no.6:11-13 '61.



GANEV, G. and TEMKOV, I.

"Pavlov's teaching and Marx's dialectic method. p. 14" (ZDRANNO DELO) Vol. 6, No. 3  
June 1952, Sofiya, Bulgaria

SO: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Uncl.

GANEV, G.

Dwellings with large panels; technical and economic analysis of completed prefabricated dwellings in Bulgaria and comparison with the proposed large-panel construction.

p. 25 STROITELSTVO) Vol. 4, no. 5, 1957,  
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

ANEV, G.

Rational integral diagrams for spending money in the construction.

p. 1 (STROITELSTVO) Vol. 4, no. 7, 1957,  
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,  
March 1958

GANEV, G.

"Some questions on preparing the plans for organizing and mechanizing the construction of prefabricated buildings."

p.4 (Stroitelstvo, Vol. 5, no. 1, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

GANEV, G.

"The Golden Sand Resort Hotels in Varna."

P. 6 (Stroitelstvo, Vol. 5, No. 7, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,  
Nov. 1958

GANEV, G.

TECHNOLOGY

Periodicals: STROITELSTVO. Vol. 5, No. 12, 1958.

GANEV, G. Some questions on introduction of steel building framework in Bulgaria. p. 30.

Monthly List of East European Accessions (SEAI) LC Vol. 8, No. 4, April 1959.  
Unclass.

GANEV, G.

"Production of parts for prefabricated buildings by continuous rolling method."

STRCITELSTVO., Sofia, Bulgaria., Vol. 6, No. 1, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (HEAI), IC, Vol. 8, No. 7, July 1959, Unclass

GANEV, G

"Coefficients of rationalization for utilization of the assembling machines  
in weight lifting."

STROITELSTVO, Sofia, Bulgaria, Vol. 6, no. 6, 1959

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, <sup>Sept.</sup>~~Jun~~ 59,  
Unclas



TALAKOV, A.; GANEV, G., inzh.

Direct electric cardiac defibrillator, Khirurgia, Sofia 14 no.2/3:  
240-241 '61.

1. Terapevtichno otdelenie na MSCH i laboratornata po elektronika  
pri elektro-meditsinsko proizvodstvo pri Silno tokovia zavod  
"Voroshilov", Sofia.

(HEART ARREST ther)

GANEV, Gancho, inzh.

Problem of determining minimal capacity of large-panel producing enterprises. Stroitelstvo 11 no. 4:24-25 J1-Ag '64.

GANEV, Gancho, inzh.

Let us improve the quality of production through standardization.  
Ratsionalizatsiia 14 no.9:24 '64.

1. Deputy Chairman, Committee of Light Industry, Sofia.

GANEV, Gani

For a decisive upswing in the fur, leather, and shoe industries of Bulgaria. Kozhi Sofia 5 no.6:1-3 '64.

1. Vice-Chairman, Committee of Light Industry, Sofia.

GANEV, G.G.; IVANOV, Vl.B.

Development and activity of the Psychoneurological Research Institute  
in Bulgaria. Zhur. nevr. i psikh. 60 no.11:1529-1536 '60.

(MIRA 14:5)

1. Direktor Nauchno-issledovatel'skogo psikhonevrologicheskogo  
instituta, Sofiya, Bolgariya (for Ganev). 2. Zamestitel' direktora  
po nauchnoy chasti Nauchno-issledovatel'skogo psikhonevrologicheskogo  
instituta, Sofiya, Bolgariya (for Ivanov).

(BULGARIA—NEUROPSYCHIATRY)

GANEV, I.

General solution for a girder unit on an elastic base according to Winkler's hypothesis. p. 7. Bulgarshka akademita na naukite. Tekhnicheski institut. IZVESTILA. Sofiya. No. 3, 1955.

SOURCE: East European Accessions List. (EEAL) Library of Congress. Vol. 5, No. 8, August 1956.

GAMAY, I.

"Contribution to the integration of the basic elastic equations (the equations of Lamé) for the plane case."

SOVISHNIK: Vol. 4, No. 1, 1956/57; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,  
Vol. 8, No. 8, August, 1959

Unclassified

GANEV, I. KH.

USSR/Physics - Semi-conductors

Card 1/1      Pub. 22 - 14/47

Authors : Kikanin, I. K., Academician; Ganev, I. Kh.; and Karchevskiy, A. I.

Title : About the cause of the generation of e.m.f. in semi-conductors subjected to light in a non-homogeneous magnetic field

Periodical : Dok. AN SSSR 99/1, page 51, Nov 1, 1954

Abstract : Experiments intended to find the causes which give rise to e.m.f. in semi-conductors when they are subjected to light in a non-homogeneous magnetic field are outlined. One reference (1954).

Institution : ...

Submitted : ...



ACC NR: AF6034109

(A)

SOURCE CODE: UR/0089/66/021/004/0321/0322

AUTHOR: Bulkin, Yu. M.; Zhirnov, A. D.; Konstantinov, L. V.; Nikolayev, V. A.; Ganev, I. Kh.; Lobanov, V. S.; Poppel', B. S.

ORG: none

TITLE: The SO-1 neutron multiplier

SOURCE: Atomnaya energiya, v. 21, no. 4, 1966, 321-322

TOPIC TAGS: nuclear research reactor, thermal neutron, fast neutron, reactor neutron flux/ SO-1 neutron multiplier

ABSTRACT: The authors describe a neutron multiplier which they have developed to operate with thermal neutrons, having a rated power 0.5 watt, a neutron multiplication coefficient 0.997, maximum fluxes in the center of the active zone  $2.5 \times 10^7$  and  $7 \times 10^7$  neut/cm<sup>2</sup>-sec for thermal and fast neutrons, respectively, and a flux of  $10^7$  neut/cm<sup>2</sup>-sec at the locations where the experiments are performed. The fuel is uranium dioxide immersed in polyethylene, containing 900 g of U<sup>235</sup> (36% enrichment) per load. The moderator is polyethylene, and the reflector is graphite combined with polyethylene. The individual units and the control of the multiplier are briefly described. Advantages claimed for the multiplier are ease of control, protection against nuclear accidents, transportability (can be transported with a 10-ton truck), and simple construction. Possible applications of the neutron multiplier are for geological prospecting, activation analysis of isotopes and other materials, and medical applications.

Card 1/2

ACC NR: AP6034109

Similar work on the construction of neutron multipliers by a group headed by N. V. Zvonov and T. A. Lopovok is also reported. Orig. art. has: 1 figure.

SUB CODE: 18,20/ SUBM DATE: 00

Card 2/2

GANEV, Ivan, ikonomist

Grat rationalization activity in the G. Dimitrov State  
Wool and Textile Combine, Sliven. Tekh delo 498 2 9N '63.

1. Durzhaven vulneno-tekstilen kombinat "G. Dimitrov", Sliven.

GANEV, Iv. Khr., prof. inzh.

The most economical method fo computing massive dam walls.  
Tekhnika Bulg 2 no.5:9-15 My '53.

ANDREYEV, L. G.; GANEV, I. KH.; GARANIN, S. I.

"Neutron-physical parameters of uranium-water lattices."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva,  
31 Aug-9 Sep 64.

GANEV, KH.

"Some results from the statistical investigation of bow-shaped walls of dams as spatial systems."

p. 18 (Elektroenergiia, Vol. 8, no.8, Aug. 1957, Sofia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

SOV/124-58-7-8194 D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 122 (USSR)

AUTHOR: Ganev, Kh.G.

TITLE: A Study of the Three-dimensional Static Working of Arch Dams  
(Issledovaniye statisticheskoy raboty arochnykh plotin, kak  
prostranstvennykh sistem)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Mosk. inzh.-stroit. in-t (Moscow Institute of Structural Engineering), Moscow, 1958

ASSOCIATION: Mosk. inzh.-stroit. in-t (Moscow Institute of Structural Engineering), Moscow

1. Dams--Theory

Card 1/1

GANEV, Kh.G., aspirant

Calculations for an arch dam as a slab on an elastic foundation.  
Nauch.dokl.vys.shkoly; stroi. no.3:232-236 '58. (MIRA 12:7)

1. Rekomendovana kafedroy gidrotekhnicheskikh sooruzheniy Moskovskogo  
inzhenerno-stroitel'nogo instituta imeni V.V. Kuybysheva.  
(Dams)



G.M.W., Kh.G., aspirant

Analogy between arch dam shells and combined systems. Nauch.dokl.vys.  
shkoly; stroi. no.4:228-234 '58. (MIRA 12:7)

1. Rekomandovana kafedroy gidrotekhnicheskikh sooruzheniy Moskovskogo  
inzhenerno-stroitel'nogo instituta imeni V.V. Kuybysheva.  
(Dams)

GANNV, Kh.G., aspirant

Calculating arch dams as spatial systems. Sbor.trud. WISI no.29:

109-133 '59.

(MIRA 12:?)

(Dams)

KOVACHEV, A., inzh. (Narodnaya Respublika Bolgariya); CANEV, L., inzh.  
(Narodnaya Respublika Bolgariya)

Study of the moisture-resistant features of asynchronous  
motors. Vest. elektroprom. 32 no.4:45-48 Ap '61. (MIRA 15:5)  
(Electric motors, Induction)

KOVACHEV, A.; GANEV, L.; KHITROVA, G.

Methods of testing resistance to mold. Mashinostroene 13  
no.10:40-41 0 '64.

SOV-125-52-2-10/14

AUTHORS: Medovar, B.I., Langer, N.A., Vesker, L.Ye., Kotssev, K., and  
Ganev, M.

TITLE: Corrosion Resistance of "1Kh18N9T"-Steel Weld Joints in  
Nitric Acid Production (Korroziionnaya stoykost' svarnykh  
soyedineniy iz stali 1Kh18N9T v usloviyakh proizvodstva  
azotnoy kisloty)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 9, pp 61-73 (USSR)

ABSTRACT: Application of "1Kh18N9T" steel for equipment used in the  
production of nitric acid requires welding processes pro-  
ducing joints that are resistant against corrosion and inter-  
crystalline corrosion and which is similar to that of the  
base metal. For this purpose, natural corrosion tests of  
"1Kh18N9T" steel specimens welded with different electrodes  
under flux were carried out at the Chemical Combine imeni  
Stalin at Dimitrovgrad (Bulgaria). It was proved that seams  
welded with chromo-nickel-vanadium-niobium rods (OKh18N9FBS -  
EI649) and chromo-nickel-vanadium rods (OKh18N9F2S - EI606),  
have high corrosion and intercrystalline corrosion resistance  
under conditions of nitric acid production and that cold  
hardening by stretching, as well as by compression, increases

Card 1/2

SOV-125-58-9-10/14

Corrosion Resistance of "1Kh18N9T"-Steel Weld Joints in Nitric Acid Production

corrosion resistance of weld joints.

There are 5 tables, 4 sets of microphotos, 2 sets of photos, 1 diagram, 2 graphs, and 3 references, 2 of which are Soviet and 1 German.

ASSOCIATIONS: Institut elektrosvarki imeni Ye.O. Patona AN USSR (Institute of Electric Welding imeni Ye.O. Paton, AS UkrSSR). Khimicheskii kombinat imeni Stalina, Narodnoy Respubliki Bolgariya (Chemical Combine imeni Stalin, of the Bulgarian People's Republic)

SUBMITTED: June 5, 1958

1. Nitric acid---Production
2. Welded joints---Corrosion prevention
3. Welded joints---Test results
4. Electrodes---Applications

Card 2/2

GANEV, M.

With a geologic hammer through the gorge of the Luda Kamchiya River.  
Prir i znanie 13 no.6:20-22 Je '60. (EEAI 10:1)  
(Bulgaria--Geology)

GANEV, H.

Geologic past of the earth. Prii i znaniia 17 no.10:15-18 D '64.



GANEV, Milcho

Does the climate have its history? Prir i znanie 14 no.10:  
15-18 D '61.

GANEV, M.

New roads toward the bowels of the earth. Prir i znanie 14, no.9:  
22-23 '61.

(Geology, Stratigraphic)

CHATALOV, G.; GANEV, M.; STEFANOV, St.

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Country: Bulgaria

Academic Degrees: not indicated

Affiliation: Scientific Collaborator at the Central Institute of Silviculture  
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Properties of magnetostrictive ferrites at high temperatures.  
Akust. zhur. 9 no.4:413-417 '63.

(MIRA 17:3)

1. Akusticheskiy institut AN SSSR, Moskva.

ACCESSION NR: AP4000410

S/0046/63/009/004/0413/0417

AUTHORS: Ganeva, L. I.; Golyamina, I. P.

TITLE: Properties of magnetostrictive ferrites at high temperatures

SOURCE: Akusticheskiy zhurnal, v. 9, no. 4, 1963, 413-417

TOPIC TAGS: ferrite, magnetostriction, magnetostrictive ferrite, magnetostrictive ferrite temperature property, ultrasound transducer, mechanical stress measurement, magnetostrictive material

ABSTRACT: The temperature dependence essential for electro-acoustical transformation characteristics of magnetostrictive ferrites from room temperature to Curie point was investigated. The Curie point of several ferrites is tabulated; nickel ferrite 21 is shown to have the most stable properties at high temperatures ( $t(\text{Curie}) = 590^\circ\text{C}$ ). The magnetomechanical coupling  $k$ , resonance frequency  $f_p$ , and magnetostrictive constants  $\lambda$  and  $\Lambda$  of a 7.7-mm diameter ferrite 21 specimen were measured as a function of temperature in a furnace at the rate of  $30^\circ$  per hour. The maximum relative departure of these parameters from their value at  $20^\circ\text{C}$  are tabulated. The relative change in the frequency conversion as

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ACCESSION NR: AP4000410

a function of frequency drift is given by

$$\frac{\Delta \gamma}{\gamma} \approx \frac{1}{\sqrt{1 + 4 \left( \frac{\Delta \nu}{\nu} \right)^2}} - 1.$$

The results show that emission from ferrite 21 under optimum magnetization can be utilized in liquids up to 400C temperatures without change in properties. Increasing the temperature to 500C reduces the emissive power by one half. This drop can be reduced 20% by adjusting the excited generator frequency. Orig. art. has: 3 figures, 3 tables, and 1 formula.

ASSOCIATION: Akusticheskiy institut AN SSSR, Moscow (Acoustical Institute AN SSSR)

SUBMITTED: 05Apr63

DATE ACQ: 13Dec63

ENCL: 00

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NO REF SOV: 005

OTHER: 001

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